

(FILE 'HOME' ENTERED AT 16:32:08 ON 01 JUN 2000)

FILE 'MEDLINE, BIOSIS, EMBASE, CAPLUS' ENTERED AT 16:39:27 ON 01 JUN 2000
0 S (VECTOR OR PLASMID) AND (RIBOSOME BINDING OR RBS) AND (DUAL

L1
P
L2 539745 S VECTOR OR PLASMID
L3 2099 S L2 AND RIBOSOME BINDING SITE
L4 390 S L3 AND SIGNAL
L5 288 S L4 AND PROMOTER
L6 15 S L5 AND TAC
L7 1 S L6 AND (SECRETION ENHANCING)
L8 1 S L6 AND (PRLA-4 OR SECY OR SECE)
L9 0 S SECRETION NEAR ENHANCE
L10 92 S SECRETION AND PRLA
L11 42 DUP REM L10 (50 DUPLICATES REMOVED)
L12 11 S L11 AND SECE AND SECY

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2000 ACS
 AN 1998:712326 CAPLUS
 DN 129:311704
 TI Direct expression of peptides into culture media using genetically engineered host cells
 IN Mehta, Nozar M.; Ray, Martha V. L.; Meenan, Christopher P.; Consalvo, Angelo P.
 PA Unigene Laboratories Inc., USA
 SO PCT Int. Appl., 97 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9846722	A1	19981022	WO 1998-US7723	19980415
	W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9871279	A1	19981111	AU 1998-71279	19980415
	NO 9905014	A	19991213	NO 1999-5014	19991014
PRAI	US 1997-43700		19970416		
	WO 1998-US7723		19980415		

AB Expression systems are disclosed for the direct expression of peptide products into the culture media where genetically engineered host cells are grown. High yield was achieved with novel **vectors**, a special selection of hosts, and/or fermn. processes which include careful control of cell growth rate, and use of an inducer during the growth phase. Special **vectors** are provided which include control regions having multiple **promoters** linked operably with coding regions encoding a **signal** peptide upstream from a coding region encoding the peptide of interest. Multiple transcription cassettes are also used to increase yield. The prodn. of amidated peptides using the expression systems is also disclosed. Methods for purifying the produced peptides are presented. One example presented in this invention deals with the prodn. of salmon calcitonin precursor.

EAST

	L #	Hits	Search Text	DBs	Time Stamp
1	L1	5003	(vector or plasmid) and tac	USPAT; EPO; Derwen t	2000/06/01 16:46
2	L2	8	1 and prla	USPAT; EPO; Derwen t	2000/06/01 16:48
3	L3	7	prla4 and 1	USPAT; EPO; Derwen t	2000/06/01 16:49
4	L4	76	tac adj lac	USPAT; EPO; Derwen t	2000/06/01 16:50
5	L5	0	(TAC ADJ LAC) and (plurality adj2 promoter?)	USPAT; EPO; Derwen t	2000/06/01 16:50
6	L6	2	TAC and (plurality adj2 promoter?)	USPAT; EPO; Derwen t	2000/06/01 16:51
7	L7	1743	1 and ribosome adj binding	USPAT; EPO; Derwen t	2000/06/01 16:52

	L #	Hits	Search Text	DBs	Time Stamp
8	L8	8	7 and sece	USPAT; EPO; Derwen t	2000/06/01 16:52
9	L9	12	7 and secy	USPAT; EPO; Derwen t	2000/06/01 16:52
10	L10	7	7 and prla	USPAT; EPO; Derwen t	2000/06/01 16:53
11	L11	5	7 and prla and sece and secy	USPAT; EPO; Derwen t	2000/06/01 16:53